P.M.S (Instruments) Ltd
Waldeck House
Waldeck Road
Maidenhead, SL6 8BR Tel 01628 773233

Telemedicine Products

Blood Pressure Monitors

UA-767PBT & UA-767PC

Precision Health Scales

UC-321PBT & UC-321P

ISO 9000 CERTIFIED VDE CE CE 0366

A&D Medical

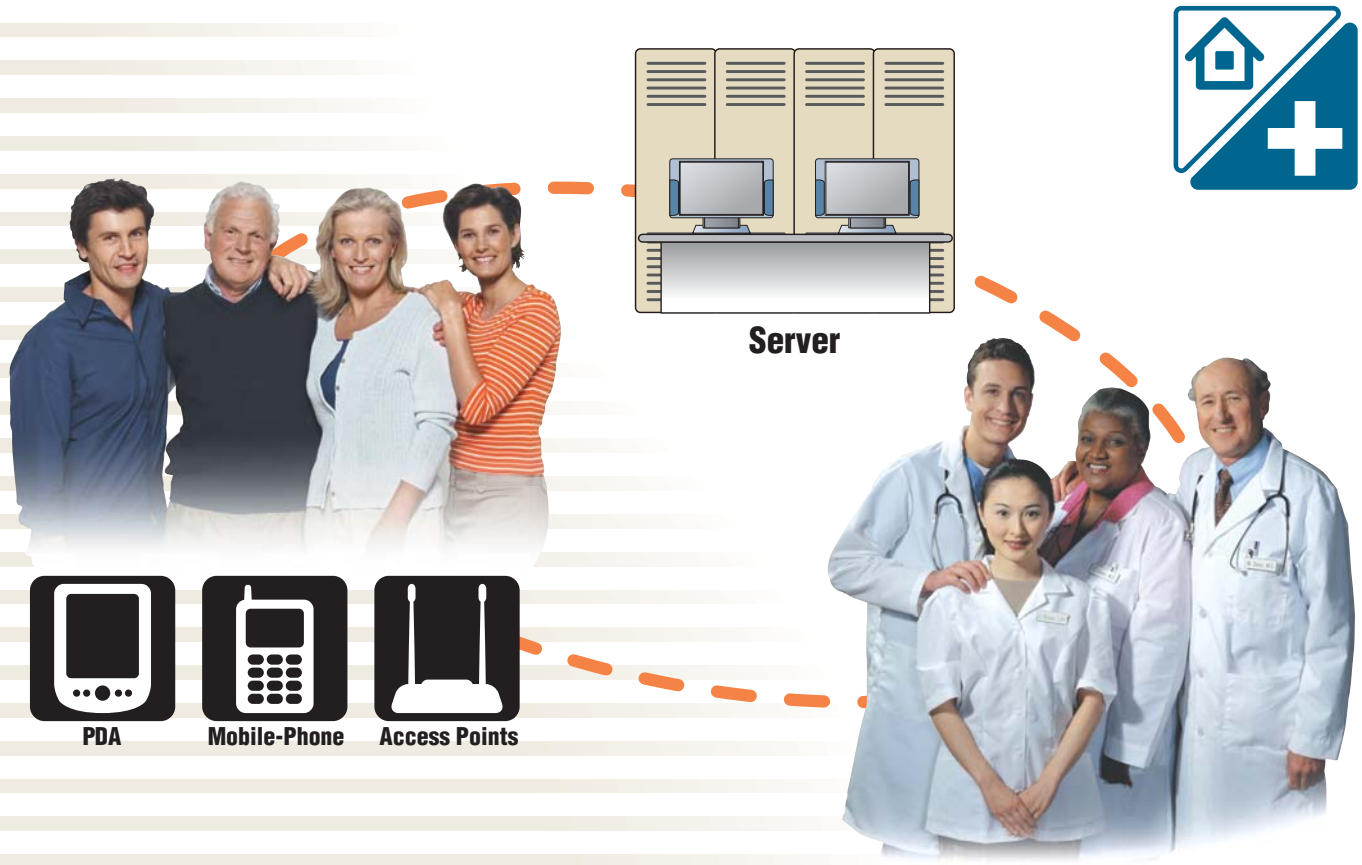
Technology You Can Trust

http://www.aandd.jp
http://www.telemedicine.jp/

Telemedicine with A&D

A&D has established a leading position in the global market providing telemedicine sensors to the healthcare industry. Since the1980s, A&D has provided oscillometric blood pressure monitors for both professional and home use and this strong foundation has paved the way for our next generation product line. A&D's telemedicine product line was introduced in 1995 in response to a growing demand in the research sector for telemedicine solutions.

Since then, A&D has been recognized as the supplier of choice in the development of telemedicine sensors, in partnership with medical research and commercial companies worldwide.



Milestones

1998 - The first standard telemedicine blood pressure monitor was introduced into the global market by A&D. The UA-767PC, an upper arm blood pressure monitor with bi-directional RS-232C, as well as a large memory, was accepted for use in global research and commercial applications. The features and accuracy of this product became the benchmark for remote monitoring.
The UA-767PC was awarded US FDA 510(k) clearance.

2000 - Another breakthrough was made with the introduction of a scale for weighing precise body weight, incorporating communication capabilities. The UC-321P, a 50g resolution scale with a maximum capacity of 150kg was another vital tool for recording a patient's weight from a remote setting.
These two product solutions have allowed health care providers access to critical health information at any time – vital for effective chronic disease management.

These two product solutions have enabled health care providers gain access to critical health information at anytime – vital for effective chronic disease state management.

2003 – CE Mark obtained for UA-767PC and UC-321.

2005 – A&D announces yet another breakthrough in telemedicine to broaden patient access and take convenience to the next level with the introduction of wireless communication.

Both blood pressure monitors and weight scales have been equipped with a Bluetooth® wireless technology option for secure wireless communications. These qualified Bluetooth modules transmit data to an access point, PDA, or mobile phone according to your system configurations.

They represent the next generation of telemedicine sensors, and the start of a new era in wireless technology.

Our customers are now able to realize all of the benefits of Bluetooth technology:

- Compliance with a global standard in wireless communication – *designs can be approved for applications worldwide*
- Wide selection of chip sources – *enables custom design of Access Points*
- Secure communication – *built-in encryption and frequency hopping ensures data security and integrity*
- Flexibility – *a variety of Access Points to choose from including PDA, mobile phone, PC, etc*

The Bluetooth® word, mark and logo are registered trademarks of Bluetooth SIG, Inc.

Blood Pressure Monitors

Clinically Validated

UA-767 PBT

The UA-767 Plus BT was designed based on the UA-767 Plus, which is clinically proven in accuracy. It has inherited some advanced features from the original model, but it is equipped with Bluetooth® wireless communication technology, giving it extended and advanced capabilities.

- *Bluetooth Class 1*
- *CE0700 compatible*
- *128bit encryption of data for protecting patient privacy*
- *Higher compatibility with various Bluetooth receivers*
- *Built-in real time clock*
- *40 memory*
- *Irregular Heart Beat indicator*
- *Extra large 3-line display for easier reading of results*
- *One-touch measurement*
- *SlimFit comfortable cuff*

Clinically Validated

UA-767 PC

The UA-767PC is an upper arm blood pressure monitor capable of storing up to 280 measurements and it can also transfer the data to an external system via the RS-232C. A full bi-directional RS-232C allows the user to control the device externally, parameter setting, data retribution, etc.

- *Easy one-touch measurement*
- *Large, easy-to-read LCD Display*
- *Uses the same oscillometric technology found in professional monitors in hospitals*
- *Standard bi-directional RS-232C port*
- *Stores 280 readings in memory*
- *Displays time and date*

Precision Health Scales

UC-321 PBT

The UC-321PBT was designed based on the UC-321PL, which has a 200kg (450 lb) capacity with a fine resolution of 100g (0.2 lb). It shares some characteristics with UC-321 Precision Personal Health Scale series. Extended capability of wireless communication is provided by Bluetooth®.

- *Bluetooth Class 1*
- *CE0700 compatible*
- *128bit encryption for protecting patient privacy*
- *Higher compatibility with various Bluetooth receivers*
- *Built-in real time clock*
- *100g resolution up to 200kg capacity*
- *Very low profile*
- *Rugged construction*
- *Motion tolerance*
- *kg / lb selection*

UC-321 P

This low-profile precision scale, the UC-321P, can automatically store 31 weight measurements to be either automatically or manually uploaded to a PC. Our new "smart sensor" for superior weight control can detect tiny 50g increments. We provide a free Weight Diary (Windows™ software) to help you plan a healthier lifestyle.

- *50g resolution (100g/0.2lb)*
- *Maximum capacity of 150 kg (200kg/450lb)*
- *Target weight setting*
- *31 built-in memory function*
- *Standard uni-directional RS-232C*
- *BMI value calculation*
- *Ultra low profile (35mm)*

Note : ( )–US version [UC-321PL]

Blood Pressure Monitors

Specifications	UA-767PBT	UA-767PC
Method	Oscillometric	
Display Type	Digital, LCD 16/10-mm character height, Pressure/pulse displays simultaneously	
Measurement Range	20 – 280 mmHg (pressure) 40 – 200 pulse/minute (pulse)	
Accuracy	± 3 mmHg or 2%, whichever is greater (pressure) ± 5% (pulse)	
Pressurization	Automatic pressurization by micro pump	
Depressurization	Constant speed exhaust valve	
Deflation	Automatic exhaust by electromagnetic valve	
Power supply	4 Type AA batteries (R6P) or AC adapter	
Battery life	Approximately 300 measurements	Approximately 6 months (1 measurement per day)
Operating environment	+ 10°C ~ + 40°C (+ 50°F ~ 104°F), 30%RH to 85%RH	
Storage environment	10°C ~ + 60°C (14°F ~ 140°F), 30%RH to 85%RH	
Weight	Approximately 300g (0.66lb)	Approximately 320g (0.7lb)
Dimensions	64(H) x 147(W) x 110(D) mm	66.7(H) x 163.7(W) x 111(D) mm
Built-in Clock	Factory present	Display 24 hour display, leap year compensation, battery back up using R6P batteries
Calendar function	Factory present	Valid from 1999 to 2098
Data memory	40	280 (BP/Pulse value and calendar)
Standard accessories	Soft carrying case, instruction manual & batteries	Soft carrying case, instruction manual & batteries
Options	AC adapter : TB-182-C – 230V, C plug, CE TB-182-BF – 230V, BF plug , CE	AC adapter : TB-182-C – 230V, C plug, CE TB-182-BF – 230V, BF plug , CE
Communication	Bluetooth® wireless technology (Calss1, version 1.2)	EIA RS-232C

Precision Health Scales

Specifications	UC-321PBT	UC-321P	UC-321PL (US vesion)
Capacity	200 kg / 450 lb	150 kg	200 kg / 450 lb
Resolution	100g / 0.2 lb	50g	100g / 0.2 lb
Sensor	Load cell		
Display	LCD, character height: 25mm		
Power	4 type AA batteries (R6P)		
Battery life	Approx. 2,000 measurements		
Weight	Approx. 2.7kg		
Dimensions	320 x 314 x 35 mm (WxDxH)		
Operating temperature	10°C ~ 35°C (50°C ~ 95°F)		
Communication	Bluetooth® wireless technology (class 1, version 1.2)	EIA RS-232C (uni-directional)	
Motion tolerance	Yes	No	Yes

A&D Company, Limited
3-23-14 Higashi-Ikebukuro,Toshima-ku,Tokyo 170-0013 Japan
Telephone:[81](3)5391-6132 Fax:[81](3)5391-6148
1-243, Asahi,Kitamoto-shi,Saitama, 364-8585 Japan
Telephone:[81](0485)93-1111 Fax:[81](0485)93-1119
(EN46001 Certified Factory)
http://www.aandd.jp

A&D Medical
1555 McCandless Drive, Milpitas, CA. 95035 U.S.A.
Telephone:[1](408)263-5333 Fax:[1](408)263-0119

A&D INSTRUMENTS LTD.
[redacted]

A&D MERCURY PTY. LTD.
32 Dew Street, Thebarton, South Australia 5031 AUSTRALIA
Telephone:[61](8)8301-8100 Fax:[61](8)8352-7409

A&D CIS
Trechprudnyi per. 9, Moscow, 103001 Russia
Telephone:+7-(095)-502-9281 Fax: +7-(095)-502-9281
http://www.aandd.ru email: info@andcis.com

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